

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09975798 on January 06, 2004

- 7 713/200 (5 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/200 SECURITY
- 6 705/51 (3 OR, 3 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
- 6 713/201 (3 OR, 3 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/200 SECURITY
713/201 .Computer network
- 5 707/9 (1 OR, 4 XR)
Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/1 DATABASE OR FILE ACCESSING
707/9 .Privileged access
- 4 705/53 (0 OR, 4 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51 .Usage protection of distributed data files
705/52 ..Usage or charge determination
705/53 ...Including third party for collecting or
distributing payment (e.g., clearinghouse)
- 3 235/380 (0 OR, 3 XR)
Class 235 : REGISTERS
235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS
235/380 .Credit or identification card systems
- 3 340/825.5 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/825.5 .Lockout or priority (programmed or variable)
- 3 345/751 (2 OR, 1 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY
SYSTEMS
345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/751 .Computer supported collaborative work between
plural users
- 3 707/10 (2 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE
MANAGEMENT OR DATA STRUCTURES
707/1 DATABASE OR FILE ACCESSING
707/10 .Distributed or remote access

3 709/229 (1 OR, 2 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/227 .Computer-to-computer session/connection
establishing
709/229 ..Network resources access controlling

3 711/152 (1 OR, 2 XR)
Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MEMORY
711/100 STORAGE ACCESSING AND CONTROL
711/147 .Shared memory area
711/152 ..Memory access blocking

3 711/212 (0 OR, 3 XR)
Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MEMORY
711/200 ADDRESS FORMATION
711/212 .Varying address bit-length or size

3 713/168 (1 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/150 MULTIPLE COMPUTER COMMUNICATION USING
CRYPTOGRAPHY
713/168 .Particular communication authentication
technique

3 713/176 (2 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/150 MULTIPLE COMPUTER COMMUNICATION USING
CRYPTOGRAPHY
713/168 .Particular communication authentication
technique
713/176 ..Authentication by digital signature
representation or digital watermark

3 714/21 (3 OR, 0 XR)
Class 714 : ERROR DETECTION/CORRECTION AND FAULT
DETECTION/RECOVERY
714/100 DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING
714/1 .Reliability and availability
714/2 ..Fault recovery
714/15 ...State recovery (i.e., process or data file)
714/21State validity check

2 370/455 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS

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| 370/431 | CHANNEL ASSIGNMENT TECHNIQUES |
| 370/449 | .Polling |
| 370/450 | ..Passing a signal identifying the idle or busy state of a channel (e.g., token passing) |
| 370/451 | ...On bus |
| 370/452 |On ring or loop |
| 370/455 |Including priority resolution |
| 2 380/30 | (0 OR, 2 XR) |
| Class 380 | : CRYPTOGRAPHY |
| 380/28 | PARTICULAR ALGORITHMIC FUNCTION ENCODING |
| 380/30 | .Public key |
| 2 380/54 | (0 OR, 2 XR) |
| Class 380 | : CRYPTOGRAPHY |
| 380/54 | BY MODIFYING OPTICAL IMAGE (E.G., TRANSMISSIVE OVERLAY) |
| 2 386/46 | (2 OR, 0 XR) |
| Class 386 | : TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR REPRODUCING |
| 386/46 | PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC RECORDING OR REPRODUCING |
| 2 386/95 | (0 OR, 2 XR) |
| Class 386 | : TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR REPRODUCING |
| 386/46 | PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC RECORDING OR REPRODUCING |
| 386/95 | .Having another signal |
| 2 705/52 | (0 OR, 2 XR) |
| Class 705 | : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| 705/50 | BUSINESS PROCESSING USING CRYPTOGRAPHY |
| 705/51 | .Usage protection of distributed data files |
| 705/52 | ..Usage or charge determination |
| 2 705/54 | (0 OR, 2 XR) |
| Class 705 | : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| 705/50 | BUSINESS PROCESSING USING CRYPTOGRAPHY |
| 705/51 | .Usage protection of distributed data files |
| 705/52 | ..Usage or charge determination |
| 705/54 | ...Adding plural layers of rights or limitations by other than the original producer |
| 2 705/55 | (1 OR, 1 XR) |
| Class 705 | : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| 705/50 | BUSINESS PROCESSING USING CRYPTOGRAPHY |
| 705/51 | .Usage protection of distributed data files |
| 705/55 | ..Requiring a supplemental attachment or input (e.g., dongle) to open |
| 2 705/57 | (1 OR, 1 XR) |
| Class 705 | : DATA PROCESSING: FINANCIAL, BUSINESS |

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| | | PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| | 705/50 | BUSINESS PROCESSING USING CRYPTOGRAPHY |
| | 705/51 | .Usage protection of distributed data files |
| | 705/57 | ..Copy protection or prevention |
| 2 | 705/65 | (0 OR, 2 XR) |
| | Class | 705 : DATA PROCESSING: FINANCIAL, BUSINESS |
| | | PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| | 705/50 | BUSINESS PROCESSING USING CRYPTOGRAPHY |
| | 705/64 | .Secure transaction (e.g., EFT/POS) |
| | 705/65 | ..Including intelligent token (e.g., electronic purse) |
| 2 | 705/67 | (1 OR, 1 XR) |
| | Class | 705 : DATA PROCESSING: FINANCIAL, BUSINESS |
| | | PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| | 705/50 | BUSINESS PROCESSING USING CRYPTOGRAPHY |
| | 705/64 | .Secure transaction (e.g., EFT/POS) |
| | 705/65 | ..Including intelligent token (e.g., electronic purse) |
| | 705/67 | ...Including authentication |
| 2 | 705/80 | (1 OR, 1 XR) |
| | Class | 705 : DATA PROCESSING: FINANCIAL, BUSINESS |
| | | PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION |
| | 705/80 | ELECTRONIC NEGOTIATION |
| 2 | 707/201 | (2 OR, 0 XR) |
| | Class | 707 : DATA PROCESSING: DATABASE AND FILE |
| | | MANAGEMENT OR DATA STRUCTURES |
| | 707/200 | FILE OR DATABASE MAINTENANCE |
| | 707/201 | .Coherency (e.g., same view to multiple users) |
| 2 | 707/203 | (1 OR, 1 XR) |
| | Class | 707 : DATA PROCESSING: DATABASE AND FILE |
| | | MANAGEMENT OR DATA STRUCTURES |
| | 707/200 | FILE OR DATABASE MAINTENANCE |
| | 707/201 | .Coherency (e.g., same view to multiple users) |
| | 707/203 | ..Version management |
| 2 | 709/217 | (1 OR, 1 XR) |
| | Class | 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING |
| | 709/200 | MULTICOMPUTER DATA TRANSFERRING |
| | 709/217 | .Remote data accessing |
| 2 | 709/226 | (0 OR, 2 XR) |
| | Class | 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING |
| | 709/200 | MULTICOMPUTER DATA TRANSFERRING |
| | 709/223 | .Computer network managing |
| | 709/226 | ..Network resource allocating |
| 2 | 710/1 | (1 OR, 1 XR) |
| | Class | 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA |

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| | | PROCESSING SYSTEMS: INPUT/OUTPUT |
| 710/1 | | INPUT/OUTPUT DATA PROCESSING |
| 2 | 710/200 | (1 OR, 1 XR) |
| | Class | 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA |
| | | PROCESSING SYSTEMS: INPUT/OUTPUT |
| | 710/200 | ACCESS LOCKING |
| 2 | 710/52 | (0 OR, 2 XR) |
| | Class | 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA |
| | | PROCESSING SYSTEMS: INPUT/OUTPUT |
| | 710/1 | INPUT/OUTPUT DATA PROCESSING |
| | 710/52 | .Input/Output data buffering |
| 2 | 711/119 | (1 OR, 1 XR) |
| | Class | 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MEMORY |
| | 711/100 | STORAGE ACCESSING AND CONTROL |
| | 711/117 | .Hierarchical memories |
| | 711/118 | ..Caching |
| | 711/119 | ...Multiple caches |
| 2 | 711/122 | (0 OR, 2 XR) |
| | Class | 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MEMORY |
| | 711/100 | STORAGE ACCESSING AND CONTROL |
| | 711/117 | .Hierarchical memories |
| | 711/118 | ..Caching |
| | 711/119 | ...Multiple caches |
| | 711/122 |Hierarchical caches |
| 2 | 711/133 | (0 OR, 2 XR) |
| | Class | 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MEMORY |
| | 711/100 | STORAGE ACCESSING AND CONTROL |
| | 711/117 | .Hierarchical memories |
| | 711/118 | ..Caching |
| | 711/133 | ...Entry replacement strategy |
| 2 | 711/141 | (0 OR, 2 XR) |
| | Class | 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MEMORY |
| | 711/100 | STORAGE ACCESSING AND CONTROL |
| | 711/117 | .Hierarchical memories |
| | 711/118 | ..Caching |
| | 711/141 | ...Coherency |
| 2 | 711/145 | (0 OR, 2 XR) |
| | Class | 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING |
| | | SYSTEMS: MEMORY |
| | 711/100 | STORAGE ACCESSING AND CONTROL |
| | 711/117 | .Hierarchical memories |
| | 711/118 | ..Caching |
| | 711/141 | ...Coherency |
| | 711/145 |Access control bit |
| 2 | 711/147 | (0 OR, 2 XR) |

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| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/100 | | | STORAGE ACCESSING AND CONTROL |
| | 711/147 | | | .Shared memory area |
| 2 | 711/163 | | (1 OR, 1 XR) | |
| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/100 | | | STORAGE ACCESSING AND CONTROL |
| | 711/154 | | | .Control technique |
| | 711/163 | | | ..Access limiting |
| 2 | 711/170 | | (0 OR, 2 XR) | |
| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/100 | | | STORAGE ACCESSING AND CONTROL |
| | 711/170 | | | .Memory configuring |
| 2 | 711/2 | | (2 OR, 0 XR) | |
| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/1 | | | ADDRESSING COMBINED WITH SPECIFIC MEMORY CONFIGURATION OR SYSTEM |
| | 711/2 | | | .Addressing extended or expanded memory |
| 2 | 711/205 | | (0 OR, 2 XR) | |
| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/200 | | | ADDRESS FORMATION |
| | 711/202 | | | .Address mapping (e.g., conversion, translation) |
| | 711/203 | | | ..Virtual addressing |
| | 711/204 | | | ...Predicting, look-ahead |
| | 711/205 | | |Directories and tables (e.g., DLAT, TLB) |
| 2 | 711/207 | | (0 OR, 2 XR) | |
| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/200 | | | ADDRESS FORMATION |
| | 711/202 | | | .Address mapping (e.g., conversion, translation) |
| | 711/203 | | | ..Virtual addressing |
| | 711/206 | | | ...Translation tables (e.g., segment and page table or map) |
| | 711/207 | | |Directory tables (e.g., DLAT, TLB) |
| 2 | 711/208 | | (0 OR, 2 XR) | |
| | Class | 711 | : | ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY |
| | 711/200 | | | ADDRESS FORMATION |
| | 711/202 | | | .Address mapping (e.g., conversion, translation) |
| | 711/203 | | | ..Virtual addressing |
| | 711/206 | | | ...Translation tables (e.g., segment and page table or map) |
| | 711/208 | | |Segment or page table descriptor |

2 711/221 (2 OR, 0 XR)
Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MEMORY
711/200 ADDRESS FORMATION
711/221 .Using table

2 711/3 (1 OR, 1 XR)
Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MEMORY
711/1 ADDRESSING COMBINED WITH SPECIFIC MEMORY
CONFIGURATION OR SYSTEM
711/3 .Addressing cache memories

2 713/1 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/1 DIGITAL DATA PROCESSING SYSTEM INITIALIZATION
OR CONFIGURATION (E.G., INITIALIZING, SET UP,
CONFIGURATION, OR RESETTING)

2 713/165 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/150 MULTIPLE COMPUTER COMMUNICATION USING
CRYPTOGRAPHY
713/164 .Security kernel or utility
713/165 ..File protection

2 713/172 (0 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/150 MULTIPLE COMPUTER COMMUNICATION USING
CRYPTOGRAPHY
713/168 .Particular communication authentication
technique
713/172 ..Intelligent token

2 713/193 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
713/193 .By stored data protection

2 713/194 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
713/194 .Tamper resistant

2 715/500 (1 OR, 1 XR)
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF
DOCUMENT
715/500 MISCELLANEOUS